

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/S76/S00  
Source: IFWP  
Date Processed by STIC: 5-1-06

***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 05/01/2006

PATENT APPLICATION: US/10/576,500

TIME: 09:47:32

Input Set : A:\DOCSMTL-#1516065-v1-SEQLIST.TXT

Output Set: N:\CRF4\05012006\J576500.raw

```

4 <110> APPLICANT: National Research Council of Canada
5     MASSIE, Bernard
6     ZENG, Yue
7     O'CONNOR-McCOURT, Maureen
9 <120> TITLE OF INVENTION: A NEW LIGAND-PSEUDORECEPTOR SYSTEM FOR
10     GENERATION OF ADENOVIRAL VECTORS WITH ALTERED TROPISM
13 <130> FILE REFERENCE: 2139-32PCT
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/576,500
C--> 15 <141> CURRENT FILING DATE: 2006-04-20
15 <150> PRIOR APPLICATION NUMBER: US 60/514,532
16 <151> PRIOR FILING DATE: 2003-10-24
18 <160> NUMBER OF SEQ ID NOS: 21
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 7
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: E-coil
30 <400> SEQUENCE: 1
31 Glu Val Ser Ala Leu Glu Lys
32 1      5
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 7
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: K-coil
42 <400> SEQUENCE: 2
43 Lys Val Ser Ala Leu Lys Glu
44 1      5
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 34
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Primer to amplify EGFR signal sequence
54 <400> SEQUENCE: 3
55 ataagaatgc ggccgcatgc gaccctccgg gacg
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 26
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence

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62 <220> FEATURE:
63 <223> OTHER INFORMATION: Primer to amplify EGFR signal sequence
65 <400> SEQUENCE: 4
66 ggactagtct tttcctccag agcccg                                26
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 27
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Primer to amplify 6 His and E-coil sequence
76 <400> SEQUENCE: 5
77 ctagctagcc atcaccacca tcatcac                                27
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 21
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Primer to amplify 6 His and E-coil sequence
87 <400> SEQUENCE: 5
88 ccgctcgagt gatcctccac c                                    21
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 27
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Primer to amplify the transmembrane and
97     cytoplasmic parts of EGFR
99 <400> SEQUENCE: 7
100 ccgctcgagc cgtccatcgc cactggg                                27
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 26
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Primer to amplify the transmembrane and
109     cytoplasmic parts of EGFR
111 <400> SEQUENCE: 8
112 cggatatctc atgctccaat aaattc                                26
114 <210> SEQ ID NO: 9
115 <211> LENGTH: 29
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: oligonucleotide containing a linker of 5 gly-ser
121     and BamHI site
123 <400> SEQUENCE: 9
124 ggatctggat caggttcagg agtggatcc                                29
126 <210> SEQ ID NO: 10
127 <211> LENGTH: 27

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128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Primer to amplify K-coil sequence
134 <400> SEQUENCE: 10
135 cgcggtatcca aggtatccgc tttaaag                27
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 33
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Primer to amplify K-coil sequence K3
145 <400> SEQUENCE: 11
146 cgcggtatccc aattgttact ccttcagagc act          33
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 35
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Primer to amplify K-coil sequence K4
156 <400> SEQUENCE: 12
157 cggtatccca attgttatcc cttcaaggct gacac        35
159 <210> SEQ ID NO: 13
160 <211> LENGTH: 32
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Primer to amplify K-coil sequence K5
167 <400> SEQUENCE: 13
168 cggtatccca attgttactc tttaagtgc ga            32
170 <210> SEQ ID NO: 14
171 <211> LENGTH: 38
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Primer to amplify CMV-FK4
178 <400> SEQUENCE: 14
179 accacaccag ctccagagcc taactgtaga ctaaattgc    38
181 <210> SEQ ID NO: 15
182 <211> LENGTH: 38
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Primer to amplify CMV-FK4
189 <400> SEQUENCE: 15
190 gcatttagtc tacagttagg ctctggagct ggtgtggt      38
192 <210> SEQ ID NO: 16
193 <211> LENGTH: 38
194 <212> TYPE: DNA

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195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Primer to amplify mutated plasmid pE4-FK4m
200 <400> SEQUENCE: 16
201 accacaccag ctccagaggc taactgtaga ctaaatgc 38
203 <210> SEQ ID NO: 17
204 <211> LENGTH: 38
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Primer to amplify mutated plasmid pE4-FK4m
211 <400> SEQUENCE: 17
212 gcatttagtc tacagttagc ctctggagct ggtgtggt 38
214 <210> SEQ ID NO: 18
215 <211> LENGTH: 17
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Primer
222 <400> SEQUENCE: 18'
223 ccggtcctcc aactgtg 17
225 <210> SEQ ID NO: 19
226 <211> LENGTH: 42
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Primer
233 <400> SEQUENCE: 19
234 cagtctccgc ggcagtcaca acctcctggt tcctgtgtac cg 42
236 <210> SEQ ID NO: 20
237 <211> LENGTH: 51
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Primer
244 <400> SEQUENCE: 20
245 tgtgactgcc gcggagactg tttctgcgga ggtgacacaa ctccaagtgc a 51
247 <210> SEQ ID NO: 21
248 <211> LENGTH: 33
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: primer
255 <400> SEQUENCE: 21
256 ggccaattgt tattattcct tcaaggctga cac 33

```

**VERIFICATION SUMMARY**

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Input Set : A:\DOCSMTL-#1616066-v1-SEQLIST.TXT

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L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date